

ABSTRACT

In an integrated process and apparatus for the separation of air by cryogenic distillation and liquefaction of natural gas in which at least part of the refrigeration required to liquefy the natural gas is derived from at least one cryogenic air distillation plant comprising a main heat exchanger (7) and distillation columns (15, 17), wherein the natural gas (25) liquefies by indirect heat exchange in a heat exchanger (7, 32, 34) with a cold fluid (21, 26), the cold fluid being sent to the heat exchanger at least partially in liquid form and undergoing at least a partial vaporisation in the heat exchanger.